

541	AGCCATGTGATCTCTACACAGTACTGTGAGCACAATGGCTGGGTGAAGCTGGCTGTGGGA	600
741	AGCCATGTGATCTCTACACAGTACTGTGAGCACAATGGCTGGGTGAAGCTGGCTGTGGGA	800
601	GACACACGGGCTAACCGTGTGATGGCTGTGACAGCTGCACTCTTGGTCATATGGGGTTGAC	660
801	GACACACGGGCTAACCGTGTGATGGCTGTGACAGCTGCACTCTTGGTCATATGGGGTTGAC	860
661	TGTTTTCATTTGGTCTCTCCTATGCGCCTAATTGCACAAGCTGTCTTGGCTCTCTCATCC	720
861	TTGTTTTCATTTGGTCTCTCCTATGCGCCTAAGTGCAAGCTGTCTTGGCTCTCTCATCC	920
721	CATGAAGCTCGGTCCAGAGGCGCTTAGGACCTGTGGTTCCCATGTCTGTGTCTCATCTCATC	780
921	CATGAAGCTCGGTCCAGAGGCGCTTAGGACCTGTGGTTCCCATGTCTGTGTCTCATCTCATC	980
781	TCTTATACACAGAGCCCTCTCTCTCTTTTACACACCGCTTTGGCCATCAGGTTCCAGTC	840
981	TCTTATACACAGAGCCCTCTCTCTCTTTTACACACCGCTTTGGCCATCAGGTTCCAGTC	1040
841	CATATTACATTTCTTTTGGCCAAATGTTATCTGCTTTTGGCACCTGCTCTTAATCTGTG	900
1041	CATATTACATTTCTTTTGGCCAAATGTTATCTGCTTTTGGCACCTGCTCTTAATCTGTG	1100
901	GTATATGGAGTTAAGACCAACAGATCCGTAAGAGAGTTGTCCAGGGTGTTCCTAAAGTGGG	960
1101	GTATATGGAGTTAAGACCAACAGATCCGTAAGAGAGTTGTCCAGGGTGTTCCTAAAGTGGG	1160
961	CAGGGAATGGGCATCAAGGCATCTGAG	987
1161	CAGGGAATGGGCATCAAGGCATCTGAG	1187

RESULT 8	
AAH31850	
IID	AAH31850 standard; DNA; 963 BP.
XX	
XX	AAH31850;
XX	
XX	30-JUL-2001 (first entry)
XX	
DE	Human olfactory receptor polynucleotide, SEQ ID NO: 423.
XX	
XX	Human; olfactory receptor; OR; primary scent determination;
KK	secondary scent determination; polypeptide library; odour receptor;
KK	scent profile; scent fingerprint; scent representation; ds.
XX	
XX	Homo sapiens.
OS	
XX	WO200127158-A2.
PN	
XX	19-APR-2001.
PD	
XX	06-OCT-2000; 2000WO-US027582.
XX	
XX	08-OCT-1999; 99US-0158615P.
PR	24-FEB-2000; 2000US-0184809P.
XX	
XX	{DIGI-} DIGISCENTS.
PA	{YEDA } YEDA RES & DEV CO LTD.
XX	
XX	Bellenson J, Smith D, Lancet D, Glusman G, Fuchs T, Yanai I;
PI	
XX	WPI; 2001-290713/30.
XX	
XX	New polynucleotides which encode polypeptides involved in olfactory
PT	sensation for identifying olfactory agonists and antagonists.
PT	
XX	Claim 8; Page 349; 1857pp; English.
XX	
XX	The present sequence is one of a number of isolated polynucleotides which
CC	encode polypeptides involved in olfactory sensation. The polynucleotides
CC	encode polypeptides involved in olfactory sensation. The polynucleotides

CC	can be used in screening for olfactory agonists and antagonists. The
CC	methods allow for the determination of primary scents and the
CC	identification of the odour receptors used to detect these primary
CC	scents. The methods also enable determination of secondary scents and the
CC	identification of combinations of odour receptors that are involved in
CC	detecting such secondary scents. This enables the construction of a scent
CC	representation (also called a scent fingerprint or scent profile), which
CC	may be used to re-create and edit scents. Libraries of olfactory
CC	receptors are useful for determining the interaction pattern of a
CC	composition with the receptors, and can be used for determining
CC	differences in the olfactory faculties of different individuals
XX	
SQ	Sequence 963 BP; 181 A; 276 C; 216 G; 290 T; 0 U; 0 Other;
	Query Match 96.9%; Score 956.6; DB 4; Length 963;
	Best Local Similarity 99.6%; Pred. No. 4.1e-300;
	Matches 959; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY	25 ATGGAATCTCTCATCACATGATGTGACCCCTGTCTCTCTCTCTGGCATCCCA 84
DB	1 ATGGAATCTCTATACACATGATGTGACCCCTGTCTCTCTCTCTGGCATCCCA 60
QY	85 GGTCTGGAGCAATTCATTTGGCTCTCATCTCCCTGTGTGGCTTAGGCACAGCCACA 144
DB	61 GGTCTGGAGCAATTCATTTGGCTCTCATCTCCCTGTGTGGCTTAGGCACAGCCACA 120
QY	145 ATTTGGGCAATATAACTATTCTGGTTGTGTGGCACTGAACCAAGTCTTGACAAAGCCT 204
DB	121 ATTTGGGCAATATAACTATTCTGGTTGTGTGGCACTGAACCAAGTCTTGACAAAGCCT 180
QY	205 GTGTACCTTTTCTGTGCATGCTCTCAACCATCGACTTGGCTGCCTCTGTCTCCACAGTT 264
DB	181 GTGTACCTTTTCTGTGCATGCTCTCAACCATCGACTTGGCTGCCTCTGTCTCCACAGTT 240
QY	265 CCCAAGCTACTGGCTATCTCTGTGTGGAGCGGACATATATCTGCCTCTGCTGCTG 324
DB	241 CCCAAGCTACTGGCTATCTCTGTGTGGAGCGGACATATATCTGCCTCTGCTGCTG 300
QY	325 GCACATATGTTCTTTCATTCATGCTCTCTGCATGATGGAGTCCACTGTGCTACTGCGCCATG 384
DB	301 GCACAGATGTTCTTTCATTCATGCTCTCTGCATGATGGAGTCCACTGTGCTACTGCGCCATG 360
QY	385 GCCTTTTGATCGCTACGTGGCCATCTGCACCCATCCGCTATGCGCACAAATCCTCACTGCAC 444
DB	361 GCCTTTTGATCGCTACGTGGCCATCTGCACCCATCCGCTATGCGCACAAATCCTCACTGCAC 420
QY	445 ACCATCATTCGCCACATAGGGGTGGCAGCTGTAGTCGAGGCTCCCTGCTCATGCTCCCA 504
DB	421 ACCATCATTCGCCACATAGGGGTGGCAGCTGTAGTCGAGGCTCCCTGCTCATGCTCCCA 480
QY	505 TGTCCCTCTCTTTATTTGGGCGCTTTGAACTTCGCGCAAGCCATGTGATCCTACACACGTAC 564
DB	481 TGTCCCTCTCTTTATTTGGGCGCTTTGAACTTCGCGCAAGCCATGTGATCCTACACACGTAC 540
QY	565 TGTGAGCACATGGCTGTGGTGACCTGGCTGGTGTGGAGACACACAGGCTTAACCGTGTGAT 624
DB	541 TGTGAGCACATGGCTGTGGTGAGCTGGCTGTGGAGACACACAGGCTTAACCGTGTGAT 600
QY	625 GGGCTGACAGCTGCACTGTTGGTCAATGGGGTTGACTTCTTTTGTGATTTGGTCTCTCTAT 684
DB	601 GGGCTGACAGCTGCACTGTTGGTCAATGGGGTTGACTTCTTTTGTGATTTGGTCTCTCTAT 660
QY	685 GGCCTAATTGACAAAGCTGTCTTGGCTCTCATCCCATGAAGCTCGGTGCCAAGGCCCTTA 744
DB	661 GGCCTAAGTGACAAAGCTGTCTTGGCTCTCATCCCATGAAGCTCGGTGCCAAGGCCCTTA 720
QY	745 GGGAGCTGTGGTTCGCATGTCTGTGTCATCTCTATACAGAGCCCTCTTCTCC 804
DB	721 GGGAGCTGTGGTTCGCATGTCTGTGTCATCTCTATACAGAGCCCTCTTCTCC 780
QY	805 TTTTTTTACACACCGCTTTGGCCCATCAGTTTCCAGTCCCATTAATTCATCTTTTGGCCAAAT 864
DB	781 TTTTTTTACACACCGCTTTGGCCCATCAGTTTCCAGTCCCATTAATTCATCTTTTGGCCAAAT 840

Applicants work

Appendix A2

QY	865	GTTTATCTGCTTTTGCCACCTGCTCTTAATCCTCTGCTATATGGAGTTAAGACCAACAG	924
Db	841	GTTTATCTGCTTTTGCCACCTGCTCTTAATCCTCTGCTATATGGAGTTAAGACCAACAG	900
QY	925	ATCCGTAAGAAGTTGTGAGGGTGTTCAAAGTGGGAGGGAATGGGCATCAAGGCATCT	984
Db	901	ATCCGTAAGAAGTTGTGAGGGTGTTCAAAGTGGGAGGGAATGGGCATCAAGGCATCT	960
QY	985	GAG 987	
Db	961	GAG 963	
RESULT 9			
ABK16633	ID	ABK16633 standard; cDNA; 966 BP.	
XX	AC	ABK16633;	
XX	DT	14-MAR-2002 (first entry)	
XX	XX	Human G-coupled receptor (GREC) cDNA, Seq ID No 42.	
XX	DE		
XX	XX	Human; cytostatic; neuroprotective; immunosuppressant; nootropic;	
KW	KW	anti-inflammatory; anti-viral; gastrointestinal; cardiovascular;	
KW	KW	cerebroprotective; G-coupled receptor; cell proliferative disease;	
KW	KW	lymphoma; leukaemia; breast cancer; cirrhosis; neurological disorder;	
KW	KW	stroke; Alzheimer's disease; multiple sclerosis; mental retardation;	
KW	KW	cardiovascular disease; atherosclerosis; angina pectoris; indigestion;	
KW	KW	congestive heart failure; gastrointestinal disorder; dysphagia; AIDS;	
KW	KW	gastritis; autoimmune disorder; inflammatory disorder; Crohn's disease;	
KW	KW	systemic lupus erythematosus; metabolic disorder; diabetes; obesity;	
KW	KW	viral infection; herpesvirus; parvovirus;	
KW	KW	acquired immune deficiency syndrome; ss.	
OS	OS	Homo sapiens.	
XX	XX	WO200190359-A2.	
PN	PN		
XX	XX	29-NOV-2001.	
PD	PD		
XX	XX		
PF	PF	22-MAY-2001; 2001WO-US016833.	
XX	XX		
PR	PR	25-MAY-2000; 2000US-0206222P.	
PR	PR	25-MAY-2000; 2000US-0207476P.	
PR	PR	02-JUN-2000; 2000US-0208834P.	
PR	PR	02-JUN-2000; 2000US-0208861P.	
PR	PR	07-JUN-2000; 2000US-0209868P.	
XX	XX		
PA	PA	(INCY-) INCYTE GENOMICS INC.	
XX	XX		
PI	PI	Patterson C, Tribouley CM, Yao MG, Griffin JA, Thornton M, Lu Y;	
PI	PI	Kallick DA, Gandhi AR, Au-Young J;	
XX	XX		
DR	DR	WPI; 2002-106199/14.	
DR	DR	P-PSDB; AAU80511.	
XX	XX		
PT	PT	New G-protein coupled receptors useful for treating or preventing cell	
PT	PT	proliferative (e.g. leukemia), neurological (e.g. stroke), cardiovascular	
PT	PT	or autoimmune/inflammatory disorders.	
XX	XX		
PS	PS	Claim 5; Page 146; 148pp; English.	
XX	XX		
CC	CC	The invention relates to a novel human G-coupled receptor (I). (I) and	
CC	CC	its corresponding polynucleotides are useful for diagnosing, treating or	
CC	CC	preventing cell proliferative diseases (e.g. lymphoma, leukaemia, breast	
CC	CC	cancer or cirrhosis), neurological disorders (e.g. stroke, Alzheimer's	
CC	CC	disease, multiple sclerosis or mental retardation), cardiovascular	
CC	CC	diseases (e.g. atherosclerosis, angina pectoris or congestive heart	
CC	CC	failure), gastrointestinal disorders (e.g. dysphagia, indigestion or	
CC	CC	gastritis), autoimmune/inflammatory disorders (e.g. AIDS, Crohn's disease	
CC	CC	or systemic lupus erythematosus) or metabolic disorders (e.g. diabetes or	

CC	obesity), or viral infections (e.g. infection by herpesvirus or
CC	parvovirus). ABK16615-ABK16619 represent novel human G-coupled receptor
CC	coding sequences of the invention
XX	
SQ	Sequence 966 BP; 182 A; 276 C; 217 G; 291 T; 0 U; 0 Other;
	Query Match 96.9%; Score 956.6; DB 6; Length 966;
	Best Local Similarity 99.6%; Pred. No. 4.1e-300;
	Matches 959; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY	25 ATGGAATCTCCTCATCACACTGATGTGGACCTTCTGTCTTCTTCNCCTGGGCATCCCCA 84
DB	1 ATGGAATCTCCTTAATCACACTGATGTGGACCTTCTGTCTTCTTCCTCGGCATCCCCA 60
QY	85 GGTCCTGGAACAATTTCAATTGTGGCTCTCACTCCCTCTGTGTGGCTTAGGCACAGCCACA 144
DB	61 GGTCCTGGAACAATTTCAATTGTGGCTCTCACTCCCTGTGTGGCTTAGGCACAGCCACA 120
QY	145 ATTGTGGGCAATAAATACTATTCTGGTGTGTGGTGCCAATGAAACAGTCTTTGCCAAGCCT 204
DB	121 ATTGTGGGCAATAAATACTATTCTGGTGTGTGGTGCCAATGAAACAGTCTTTGCCAAGCCT 180
QY	205 GTCTACCTTTTTCTGTGCGATGCTCAACCATCGACTTGGCTGCTCTGTCTCCACAGTT 264
DB	181 GTCTACCTTTTTCTGTGCGATGCTCAACCATCGACTTGGCTGCTCTGTCTCCACAGTT 240
QY	265 CCCAAGCTACTGGCTATCTTCTGGTGGAGCGGACATATATCTGCCTCTGCTGGCTG 324
DB	241 CCCAAGCTACTGGCTATCTTCTGGTGGAGCGGACATATATCTGCCTCTGCTGGCTG 300
QY	325 GCACATAATGTTCTTCAATCATAGCTTCTTGATGGAGTCCACTGTGCTACGTGGCCATG 384
DB	301 GCACAGATGTTCTTCAATCATAGCTTCTTGATGGAGTCCACTGTGCTACTGGCCATG 360
QY	385 GCCTTTGATCGCTACGTGGCCATCTGCCACGACTCGCTATGCCAATTCCTCACTGAC 444
DB	361 GCCTTTGATCGCTACGTGGCCATCTGCCACGACTCGCTATGCCAATTCCTCACTGAC 420
QY	445 ACCATCAATGCCACATAGGGGTGGAGCTGTAGTGGAGCTCCCTGCTCATGCTCCCA 504
DB	421 ACCATCAATGCCACATAGGGGTGGAGCTGTAGTGGAGCTCCCTGCTCATGCTCCCA 480
QY	505 TGTCCCTTCTTTANTGGCGCTTTTGAATCTCTGCCAAAGCCATGTGATCTCACACCGTAC 564
DB	481 TGTCCCTTCTTTANTGGCGCTTTTGAATCTCTGCCAAAGCCATGTGATCTCACACCGTAC 540
QY	565 TGTGAGCATAGCTGTGGTGAAGCTGGCCCTGTGGAGACACCGGCTAACCGTGTGTAT 624
DB	541 TGTGAGCATAGCTGTGGTGAAGCTGGCCCTGTGGAGACACCGGCTAACCGTGTGTAT 600
QY	625 GGCGCTGACAGCTGCACCTGTGGTTCATTGGGGTGTGACTGTGTTTGATGTGGTCTCTCCTAT 684
DB	601 GGCGCTGACAGCTGCACCTGTGGTTCATTGGGGTGTGACTGTGTTTGATGTGGTCTCTCCTAT 660
QY	685 GCCTTAATTGCCAAGCTGCTTTCGGCTCTCATPCCCATGAAGCTCGGTCCAAAGCCCTTA 744
DB	661 GCCTTAAGTGCAAAGCTGCTTTCGGCTCTCATPCCCATGAAGCTCGGTCCAAAGCCCTTA 720
QY	745 GGGACCTGTGGTTCCTCATGTCTGTGTCATCTCTTATACACAGGCCCTTCTTCCC 804
DB	721 GGGACCTGTGGTTCCTCATGTCTGTGTCATCTCTTATACACAGGCCCTTCTTCCC 780
QY	805 TTTTITACACACCGCTTTGGCCATCAGTTCCTCAGTCCATATTCACATCTCTTTTGGCCAAAT 864
DB	781 TTTTITACACACCGCTTTGGCCATCAGTTCCTCAGTCCATATTCACATCTCTTTTGGCCAAAT 840
QY	865 GTTTATCTGCTTTTGGCCACCTGCTCTTAATCTCTGTGTATATGGAGTTAAGACCMAACAG 924
DB	841 GTTTATCTGCTTTTGGCCACCTGCTCTTAATCTCTGTGTATATGGAGTTAAGACCMAACAG 900
QY	925 ATCCGTAAGAAGTGTTCAGGGTGTTTCAAAGTGGGACGGGAATGGGCATCAAGGCAATCT 984
DB	901 ATCCGTAAGAAGTGTTCAGGGTGTTTCAAAGTGGGACGGGAATGGGCATCAAGGCAATCT 960

